127635

RSPA 98-4957-46

SUPPORTING Statement

Information Collection of Reporting Safety-Related Conditions on Gas, Hazardous Liquid, and Carbon Dioxide Pipelines and Liquefied Natural Gas Facilities

Justification.

1. Explain the circumstances that make the collection of information necessary. Identify any legal or administrative requirements that necessitate the collection.

49 U.S.C. 60102 requires each operator of a pipeline facility (except master meter) to submit to DOT a written report on any safety-related condition that causes or has caused a significant change or restriction in the operation of a pipeline facility or a condition that is a hazard to life, property or the environment.

2. Indicate how, by whom, and for what purpose the information is to be used.

The information is used to assist Federal pipeline safety inspectors of RSPA and State pipeline safety inspectors. The information is used to monitor corrective actions proposed by operators in order to prevent the occurrence of an incident or accident. Without this information known hazardous conditions might continue uncorrected.

3. Describe whether, and to what extent, the collection of information involves the use of automated electronic, mechanical, or other technological collection techniques or other forms of information technology.

The regulations were amended in 1989 to allow operators to file safety-related reports by fax. There are no legal obstacles to reducing the burden. RSPAcurrently allows operators to send safety related condition reports electronically.

4. Describe efforts to identify duplication. Show specifically why any similar information already available cannot be used or modified for use for the purpose described in 2.

The regulations reduce duplication by exempting incidents that result in an accident before the safety-related condition report filing deadline. No similar information exists.

5. If the collection of information impacts small businesses or

other small entities, describe the methods used to minimize burden.

The smallest operators, known as master meter operators, are exempt. Further, gas incidents that occur outside populated areas need not be reported.

There are few small operators of hazardous liquid and carbon dioxide pipelines.

6. Describe the consequence to Federal program or policy activities if the collection were conducted less frequently as well any technical or legal obstacles to reducing the burden.

The collection is event driven and therefore could not be done less frequently.

7. Explain any special circumstances that would cause an information collection in a manner requiring respondents to report information to the agency more than quarterly;
requiring respondents to prepare a written response to a collection in fewer than 30 days after receipt of it;
requiring respondents to submit more than an original and two copies of any documents;
requiring respondents to retain records other than health, medical, government contract, grant-in-aid, or tax records for more than three years;
in connection with a statistical survey that is not designed to produce valid and reliable results that can be generalized to the universe of study;
requiring the use of a statistical classification that not been reviewed and approved by OMB;
that includes a pledge of confidentiality that is not supported by disclosure and data security policies that are consistent with the pledge, or which unnecessarily implies sharing of data with other agencies for comparable confidential use; or
requiring respondents to submit proprietary trade secret or other confidential information unless the agency can demonstrate that it has instituted procedures to protect confidentiality to the extent permitted by law.

None of these conditions apply.

8. If applicable,provide a copy and identify the date and page number of publication in the Federal Register of the agency's notice required by 5 CFR 1320.8(d) soliciting comments on the information collection prior to submission to OMB. Summarize public comment received in response to the notice and describe actions taken by the agency in response to these comments. Specifically, address comments

received on cost and hour burden.

Describe efforts to consult with persons outside the agency to obtain their views on the availability of dat, frequency of collection, the clarity of instructions and record keeping, disclosure, or reporting format if any), and on the data elements to be recorded, disclosed, or reported.

Consultation with members outside RSPA is obtained during meetings with the National Association of Pipeline Safety Representatives (NAPSR). This organization consists entirely of State pipeline safety inspectors. Meetings are held throughout the year. There has been no recent criticism of this reporting requirement.

The notice of renewal for this information collection in the Federal Register was published February 15, There were no comments. A copy of the notice is attached.

9. Explain any decision to provide any payment or gift to respondents, other than remuneration of contractors or grantees.

Not applicable.

10. Describe any assurance of confidentiality provided to respondents and the basis for the assurance on statute, regulation, or agency policy.

The Department does not foresee any need to assure confidentiality of the information because none of it involves trade secrets.

11. Provide additional justification for any questions of a sensitive nature, such as sexual behavior, and attitudes, religious beliefs, and other matters that are commonly considered private. This justification should include the reasons why the agency considers the questions necessary, the specific uses to be made of the information, the explanations given to persons from the information is requested, and any steps to be taken to obtain their consent.

The regulation does not involve questions of a sensitive nature.

12. Provide estimates of the hour burden of the collection of information.

The average number of safety-related condition reports for the year 2000 was 47. Assumptions used in estimating the burden hours and costs of this reporting requirement are:

Operator response time is estimated to be 6 hours per report.

The annual burden is 6 hours X 47 responses per year or 282 hours annually.

13. Provide an estimate of the annual total cost burden to respondents from the collection of information.

If the loaded hourly wage of an employee is estimated to be $40 per hour the total annual cost is estimated to be , the total annual cost to operators is $11,280 (282 X $40 = $11,280)

14. Provide estimated annualized cost to the Federal government. Also, provide a description of the method used to estimate cost which should include quantification of hours, operational expenses, and any other expense that would not have been incurred without the collection of information.

Hourly loaded wages of government personnel (both state and Federal is estimated at $40 per hour). The average time to review the reports is estimated at 3 hours per report. 37 are sent to the Federal government and 10 to the states.

The Federal government costs and hour totals annually are:

37 reports X 3 hours = 111 hours per year
111 hours X $40 = $4,400 annually

The state government costs and hour burdens annually are:

10 reports X 3 hours = 30 hours
30 hours X $40= $1,200 annually

15. Explain the reasons for any program changes or adjustment reported in Items 13 or 14 of OMB Form 83-I.

The number of reports filed annually has declined.

16. For collections of information whose results will, outline plans for tabulation and publication. Address any complex analytical techniques that will be used.

Not applicable.

17. If seeking approval to not display the expiration date for OMB approval of the information collection, explain the reasons the

display would be inappropriate.

Not applicable.

18. Explain each exception to the certification statement identified in Item 19, Certification for Paperwork Reduction Act Submission, of OMB Form 83-I.

Not applicable.

122958

PAPERWORK REDUCTION ACT SUBMISSION

Please read the instructions before completing this form. For additional forms or assistance in completing this form, contact your agency's Paperwork Clearance Officer. Send two copies of this form, the collection instrument to be reviewed, the Supporting Statement, and any additional documentation to: **Office of Information and Regulatory Affairs, Office of Management and Budget, Docket Library, Room 10102, 725 17th Street NW, Washington, DC 20503.** RSPA-98-4957-43

1. Agency/Subagency originating request

U.S. DOT RSPA

2. OMB control number

a. 2137-0578

b. ☐ None

3. Type of information collection *(check one)*

a. ☐ New Collection
b. ☒ Revision of a currently approved collection
c. ☐ Extension of a currently approved collection
d. ☐ Reinstatement, **without change**, of a previously approved collection for which approval has expired
e. ☐ Reinstatement, **with change**, of a previously approved collection for which approval has expired
f. ☐ Existing collection in use without an OMB control number

For b-f, note Item A2 of Supporting Statement instructions

4. Type of review requested *(check one)*

a. ☒ Regular
b. ☐ Emergency - Approval requested by: __/__/__
c. ☐ Delegated

5. Small entities

Will this information collection have a significant economic impact on a substantial number of small entities?

☐ Yes ☒ No

6. Requested expiration date

a. ☐ Three years from the approval date
b. ☐ Other: __/__

7. Title

Reproting on Safety Related Conditions on Gas Hazardous Liquid Pipelines and LNG Facilitie

8. Agency form number(s) *(if applicable)*

N/A

9. Keywords

Pipeline Safety, Regulation, Incidents

10. Abstract

Operators of gas and hazardous liquid pipeline facilities and LNG facilities must submit to DOT a written report on any safety-related condition that causes of has caused a significant change or restriction in the operation of a pipeline or facility c condition that is a hazardto life, property or the environment.

11. Affected public *(Mark primary with "P" and all others with "X")*

a. __ Individuals or households
b. P Business or other for-profit
c. __ Not-for-profit institutions
d. __ Farms
e. __ Federal Government
f. __ State, Local, or Tribal Government

12. Obligation to respond *(Mark primary with "P" and all others that apply with "X")*

a. ☐ Voluntary
b. ☐ Required to obtain or retain benefits
c. ☒ Mandatory

13. Annual reporting and recordkeeping hour burden

a. Number of respondents: 47
b. Total annual responses: 47
1. Percentage of these responses collected electronically: Unknown %
c. Total annual hours requested: 282
d. Current OMB inventory: 282
e. Difference: 0
f. Explanation of difference
1. Program change:
2. Adjustment:

14. Annual reporting and recordkeeping cost burden *(in thousands of dollars)*

a. Total annualized capital/startup costs: 0
b. Total annual costs (O&M):
c. Total annualized cost requested:
d. Current OMB inventory:
e. Difference:
f. Explanation of difference
1. Program change:
2. Adjustment:

15. Purpose of information collection *(Mark primary with "P" and all others that apply with "X")*

a. __ Application for benefits
b. __ Program evaluation
c. __ General purpose statistics
d. __ Audit
e. __ Program planning or management
f. __ Research
g. P Regulatory or compliance

16. Frequency of recordkeeping or reporting *(check all that apply)*

a. ☐ Recordkeeping
b. ☐ Third party disclosure
c. ☒ Reporting:
1. ☒ On occasion
2. ☐ Weekly
3. ☐ Mont
4. ☐ Quarterly
5. ☐ Semi-annually
6. ☐ Annu
7. ☐ Biennially
8. ☐ Other (describe)

17. Statistical methods

Does this information collection employ statistical methods?

☐ Yes ☒ No

18. Agency contact *(person who can best answer questions regarding the conte of this submission)*

Name: Marvin Fell

19. Certification for Paperwork Reduction Act Submissions

On behalf of this Federal agency, I certify that the collection of information encompassed by this request complies with 5 CFR 1320.9.

NOTE: The text of 5 CFR 1320.9, and the related provisions of 5 CFR 1320.8(b)(3), appear at the end of the instructions. *The certification is to be made with reference to those regulatory provisions as set forth in the instructions.*

The following is a summary of the topics, regarding the proposed collection of information, that the certification covers:

(a) It is necessary for the proper performance of agency functions;

(b) It avoids unnecessary duplication;

(c) It reduces burden on small entities;

(d) It uses plain, coherent, and unambiguous language that is understandable to respondents;

(e) Its implementation will be consistent and compatible with current reporting and recordkeeping practices;

(f) It indicates the retention periods for recordkeeping requirements;

(g) It informs respondents of the information called for under 5 CFR 1320.8 (b)(3) about:

(i) Why the information is being collected;

(ii) Use of information;

(iii) Burden estimate;

(iv) Nature of response (voluntary, required for a benefit, or mandatory);

(v) Nature and extent of confidentiality; and

(vi) Need to display currently valid OMB control number;

(h) It was developed by an office that has planned and allocated resources for the efficient and effective management and use of the information to be collected (see note in Item 19 of the instructions);

(i) It uses effective and efficient statistical survey methodology (if applicable); and

(j) It makes appropriate use of information technology.

If you are unable to certify compliance with any of these provisions, identify the item below and explain the reason in Item 18 of the Supporting Statement.

Signature of Senior Official or designee	Date

Issued in Camp Hill, Pennsylvania, on February 8, 2001.

Sharon A. Daboin,

Manager, Harrisburg ADO, Eastern Region.

[FR Doc. 01-3900 Filed 2-14-01; 8:45 am]

BILLING CODE 4910-13-M

DEPARTMENT OF TRANSPORTATION

National Highway Traffic Safety Administration

Announcing the Fourth Quarterly Meeting of the Crash Injury Research and Engineering Network

AGENCY: National Highway Traffic Safety Administration (NHTSA), DOT.

ACTION: Meeting announcement.

SUMMARY: This notice announces the Fourth Quarterly Meeting of members of the Crash Injury Research and Engineering Network. CIREN is a collaborative effort to conduct research on crashes and injuries at nine Level 1 Trauma Centers which are linked by a computer network. Researchers can review data and share expertise, which could lead to a better understanding of crash injury mechanisms and the design of safer vehicles.

DATE AND TIME: The meeting is scheduled from 9 a.m. to 5 p.m. on March 16, 2001.

ADDRESSES: The meeting will be held in Room 6200-04 of the U.S. Department of Transportation Building, which is located at 400 Seventh Street, SW., Washington, DC.

SUPPLEMENTARY INFORMATION: The CIREN System has been established and crash cases have been entered into the database by each Center. NHTSA has held three Annual Conferences where CIREN research results were presented. Further information about the three previous CIREN conferences is available through the NHTSA website at: http://www-nrd.nhtsa.dot.gov/include/bio_and_trauma/ciren-final.htm. NHTSA held the first quarterly meeting on May 5, 2000, with a topic of lower extremity injuries in motor vehicle crashes, the second quarterly meeting on July 21, 2000, with a topic of side impact crashes, and the third quarterly meeting on November 30, 2000, with a topic of thoracic injuries in crashes. Information from the May 5, July 21, and November 30, 2000, meetings are also available through the NHTSA website.

NHTSA plans to continue holding quarterly meetings on a regular basis to disseminate CIREN information to interested parties. This is the fourth such meeting. The topic for this meeting is offset frontal collisions. Subsequent meetings have tentatively been scheduled for June, September, and December 2001. These quarterly meetings will be in lieu of an annual CIREN conference.

FOR FURTHER INFORMATION CONTACT: Mrs. Donna Stemski, Office of Human-Centered Research, 400 Seventh Street, SW., Room 6206, Washington, DC 20590, telephone: (202) 366-5662.

Issued on: February 8, 2001.

Raymond P. Owings,

Associate Administrator for Research and Development, National Highway Traffic Safety Administration.

[FR Doc. 01-3831 Filed 2-14-01; 8:45 am]

BILLING CODE 4910-59-P

DEPARTMENT OF TRANSPORTATION

Research and Special Programs Administration

[Docket RSPA-98-4957 Notice 26]

Agency Information Collection Activities: Proposed Collection; Comment Request

ACTION: Request for public comment.

AGENCY: Research and Special Programs Administration, DOT.

SUMMARY: In accordance with the Paperwork Reduction Act of 1995, the Research and Special Programs Administration (RSPA) is requesting to renew its information collection "Reporting of Safety-Related Conditions on Gas, Hazardous Liquid and Carbon Dioxide Pipelines and Liquefied Natural Gas Facilities". The public has 60 days to provide comments.

FOR FURTHER INFORMATION CONTACT: Marvin Fell, Office of Pipeline Safety, Research and Special Programs Administration, U.S. Department of Transportation 400 Seventh Street, SW., Washington, DC 20590, (202) 366-6205, or by Fax (202) 366-4566, or via electronic mail at marvin.fell@rspa.dot.gov.

SUPPLEMENTARY INFORMATION:

Title: Reporting of Safety-Related Conditions on Gas, Hazardous Liquid, and Carbon Dioxide Pipelines and Liquefied Natural Gas Facilities.

OMB Number: 2137-0578.

Type of Request: Renewal of existing information collection.

Abstract: 49 U.S.C. 60102 requires each operator of a pipeline facility (except master meter) to submit to the Department of Transportation a written report on any safety-related condition that causes or has caused a significant change or restriction in the operation of pipeline facility or a condition that is a hazard to life, property or the environment.

Estimate of Burden: The average burden hour per response is 6 hours.

Respondents: Pipeline and Liquefied Natural Gas facility operators.

Estimated response per year: 47.

Estimated Total Annual Burden on Respondents: 282 hours.

Frequency: On occasion.

Use: To alert RSPA of hazardous conditions that might continue uncorrected.

Copies of this information can be reviewed at the Dockets Unit, Plaza 401, U.S. Department of Transportation, 400 Seventh Street, SW, Washington, D.C., 10 a.m. to 4 p.m. Monday through Friday excluding Federal Holidays or through the internet at *dms.dot.gov.*

Comments are invited on (a) the need for the proposed collection of information for the proper performance of the functions of the agency, including whether the information will have practical utility: (b) the accuracy of the agency's estimate of the burden of the proposed collection of information including the validity of the methodology and assumptions used; (c) ways to enhance the quality, utility, and clarity of the information to be collected; and (d) ways to minimize the burden of the collection of information on those who respond including the use of the appropriate automated, electronic, mechanical, or other technological collection techniques. Send comments to Dockets Unit, Plaza 401, U.S. Department of Transportation, 400 Seventh Street, SW., Washington, DC 20590 or via e-mail to *dms.dot.gov.* Please be sure to include the docket number 4957.

Issued in Washington, DC on February 9, 2001.

Stacey L. Gerard,

Associate Administrator for Pipeline Safety.

[FR Doc. 01-3830 Filed 2-14-01; 8:45 am]

BILLING CODE 4910-60-P

DEPARTMENT OF THE TREASURY

Submission for OMB Review; Comment Request

February 8, 2001.

The Department of Treasury has submitted the following public information collection requirement(s) to OMB for review and clearance under the Paperwork Reduction Act of 1995, Public Law 104-13. Copies of the submission(s) may be obtained by calling the Treasury Bureau Clearance Officer listed. Comments regarding this

Notice: This report is required by 49 CFR Part 191. Failure to report can result in a civil penalty not to exceed $1,000 for each violation for each day that such violation persists except that the maximum civil penalty shall not exceed $200,000 as provided in 49 USC 1678. Form Approved OMB No. 2137-0522

U.S. Department of Transportation
Research and Special Programs Administration

ANNUAL REPORT FOR CALENDAR YEAR 20___
GAS TRANSMISSION & GATHERING SYSTEMS

INITIAL REPORT ☐
SUPPLEMENTAL REPORT ☐

INSTRUCTIONS

Important: *Please read the separate instructions for completing this form before you begin. They clarify the information requested and provide specific examples. If you do not have a copy of the instructions, you can obtain one from the Office of Pipeline Safety Web Page at* http://ops.dot.gov.

PART A - OPERATOR INFORMATION

DOT USE ONLY

1. NAME AND COMPANY OR ESTABLISHMENT

2. LOCATION OF OFFICE WHERE ADDITIONAL INFORMATION MAY BE OBTAINED

Number & Street

City & County

State & Zip Code

4. OPERATOR'S 5 DIGIT IDENTIFICATION NUMBER

(When Known) /___/___/___/___/___/

5. HEADQUARTERS NAME & ADDRESS, IF DIFFERENT

Number & Street

City & County

State & Zip Code

3. STATE IN WHICH SYSTEM OPERATES: /___/___/ *(provide a **separate** report for each state in which system operates)*

PART B - SYSTEM DESCRIPTION

Report miles of pipeline in system at end of year.

1. GENERAL - MILES OF PIPELINE IN THE SYSTEM AT END OF YEAR THAT ARE JURISDICTIONAL TO OPS

	STEEL				CAST IRON WROUGHT IRON PIPE	PLASTIC PIPE	OTHER PIPE
	CATHODICALLY PROTECTED		UNPROTECTED				
	BARE	COATED	BARE	COATED			
TRANSMISSION ONSHORE							
OFFSHORE							
GATHERING ONSHORE							
OFFSHORE							
SYSTEM TOTALS							

2. MILES OF PIPE BY NOMINAL SIZE

	UNKNOWN	4" OR LESS	OVER 4" THRU 10"	OVER 10" THRU 20"	OVER 20" THRU 28"	OVER 28"
TRANSMISSION ONSHORE						
OFFSHORE						
GATHERING ONSHORE						
OFFSHORE						
SYSTEM TOTALS						

3. MILES OF PIPE BY DECADE OF INSTALLATION

	UN-KNOWN	PRE-1940	1940-1949	1950-1959	1960-1969	1970-1979	1980-1989	1990-1999	2000-2009	TOTAL
TRANSMISSION ONSHORE										
OFFSHORE										
GATHERING ONSHORE										
OFFSHORE										
SYSTEM TOTALS										

4. MILES OF PIPE BY CLASS LOCATION

	CLASS 1	CLASS 2	CLASS 3	CLASS 4	TOTAL
TRANSMISSION ONSHORE					
OFFSHORE		N/A	N/A	N/A	N/A
GATHERING ONSHORE					
OFFSHORE		N/A	N/A	N/A	N/A
SYSTEM TOTALS					

Continue on Reverse Side

PART C – TOTAL LEAKS ELIMINATED/REPAIRED DURING YEAR

CAUSE OF LEAK	TRANSMISSION		GATHERING	
	ONSHORE	OFFSHORE	ONSHORE	OFFSHORE
CORROSION				
NATURAL FORCES				
THIRD PARTY DAMAGES AND PREVIOUSLY DAMAGED PIPE				
CONSTRUCTION /MATERIAL DEFECTS				
EQUIPMENT MALFUNCTION				
INCORRECT OPERATION				
OTHER				

PART D - TOTAL NUMBER OF LEAKS ON FEDERAL LAND OR OCS REPAIRED OR SCHEDULED FOR REPAIR

1. TRANSMISSION
   - ONSHORE _____
   - OFFSHORE _____
   - OUTER CONTINENTAL SHELF _____
2. GATHERING
   - ONSHORE _____
   - OFFSHORE _____
   - OUTER CONTINENTAL SHELF _____

PART E - NUMBER OF KNOWN SYSTEM LEAKS AT END OF YEAR SCHEDULED FOR REPAIR

1. TRANSMISSION _____
2. GATHERING _____

PART F - PREPARER AND AUTHORIZED SIGNATURE

_____ _____
(type or print) Preparer's Name and Title — Area Code and Telephone Number

_____ _____
Preparer's E-mail Address — Area Code and Facsimile Number

_____ _____ _____ _____
Authorized Signature — (type or print) Name and Title — Date — Area Code and Telephone Number

Draft Form RSPA F 7100.2-1 (3-00)
(Supersedes DOT F 7100.2-1)

Notice: This report is required by 49 CFR Part 191. Failure to report can result in a civil penalty not to exceed $1,000 for each violation for each day that such violation persists except that the maximum civil penalty shall not exceed $200,000 as provided in 49 USC 1678. Form Approved OMB No. 2137-0522

U.S. Department of Transportation
Research and Special Programs Administration

ANNUAL REPORT FOR CALENDAR YEAR 20___
GAS TRANSMISSION & GATHERING SYSTEMS

INITIAL REPORT ☐
SUPPLEMENTAL REPORT ☐

INSTRUCTIONS

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PART A - OPERATOR INFORMATION

DOT USE ONLY

1. NAME AND COMPANY OR ESTABLISHMENT

2. LOCATION OF OFFICE WHERE ADDITIONAL INFORMATION MAY BE OBTAINED

Number & Street

City & County

State & Zip Code

4. OPERATOR'S 5 DIGIT IDENTIFICATION NUMBER

(When Known) / / / / / /

5. HEADQUARTERS NAME & ADDRESS, IF DIFFERENT

Number & Street

City & County

State & Zip Code

Draft

3. STATE IN WHICH SYSTEM OPERATES: / - / / *(provide a **separate** report for each state in which system operates)*

PART B - SYSTEM DESCRIPTION — Report miles of pipeline in system at end of year.

1. GENERAL - MILES OF PIPELINE IN THE SYSTEM AT END OF YEAR THAT ARE JURISDICTIONAL TO OPS

	STEEL				CAST IRON WROUGHT IRON PIPE	PLASTIC PIPE	OTHER PIPE
	CATHODICALLY PROTECTED		UNPROTECTED				
	BARE	COATED	BARE	COATED			
TRANSMISSION ONSHORE							
OFFSHORE							
GATHERING ONSHORE							
OFFSHORE							
SYSTEM TOTALS							

2. MILES OF PIPE BY NOMINAL SIZE

	UNKNOWN	4" OR LESS	OVER 4" THRU 10"	OVER 10" THRU 20"	OVER 20" THRU 28"	OVER 28"
TRANSMISSION ONSHORE						
OFFSHORE						
GATHERING ONSHORE						
OFFSHORE						
SYSTEM TOTALS						

3. MILES OF PIPE BY DECADE OF INSTALLATION

	UN-KNOWN	PRE-1940	1940-1949	1950-1959	1960-1969	1970-1979	1980-1989	1990-1999	2000-2009	TOTAL
TRANSMISSION ONSHORE										
OFFSHORE										
GATHERING ONSHORE										
OFFSHORE										
SYSTEM TOTALS										

4. MILES OF PIPE BY CLASS LOCATION

	CLASS 1	CLASS 2	CLASS 3	CLASS 4	TOTAL
TRANSMISSION ONSHORE					
OFFSHORE		N/A	N/A	N/A	N/A
GATHERING ONSHORE					
OFFSHORE		N/A	N/A	N/A	N/A
SYSTEM TOTALS					

Continue on Reverse Side

PART C – TOTAL LEAKS ELIMINATED/REPAIRED DURING YEAR

CAUSE OF LEAK	TRANSMISSION		GATHERING	
	ONSHORE	OFFSHORE	ONSHORE	OFFSHORE
CORROSION				
NATURAL FORCES				
THIRD PARTY DAMAGES AND PREVIOUSLY DAMAGED PIPE				
CONSTRUCTION /MATERIAL DEFECTS				
EQUIPMENT MALFUNCTION				
INCORRECT OPERATION				
OTHER				

PART D - TOTAL NUMBER OF LEAKS ON FEDERAL LAND OR OCS REPAIRED OR SCHEDULED FOR REPAIR

1. TRANSMISSION

ONSHORE _____

OFFSHORE _____

OUTER CONTINENTAL SHELF _____

2. GATHERING

ONSHORE _____

OFFSHORE _____

OUTER CONTINENTAL SHELF _____

PART E - NUMBER OF KNOWN SYSTEM LEAKS AT END OF YEAR SCHEDULED FOR REPAIR

1. TRANSMISSION _____

2. GATHERING _____

PART F - PREPARER AND AUTHORIZED SIGNATURE

Draft

_____ _____

(type or print) Preparer's Name and Title — Area Code and Telephone Number

_____ _____

Preparer's E-mail Address — Area Code and Facsimile Number

_____ _____ _____

Authorized Signature — (type or print) Name and Title — Date — Area Code and Telephone Number

Draft Form RSPA F 7100.2-1 (3-00)
(Supersedes DOT F 7100.2-1)

Notice: This report is required by 49 CFR Part 191. Failure to report can result in a civil penalty not to exceed $1,000 for each violation for each day that such violation persists except that the maximum civil penalty shall not exceed $200,000 as provided in 49 USC 1678. Form Approved OMB No. 2137-0522

U.S. Department of Transportation
Research and Special Programs Administration

ANNUAL REPORT FOR CALENDAR YEAR 20___
GAS TRANSMISSION & GATHERING SYSTEMS

INITIAL REPORT ☐
SUPPLEMENTAL REPORT ☐

INSTRUCTIONS

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PART A - OPERATOR INFORMATION

DOT USE ONLY

1. NAME AND COMPANY OR ESTABLISHMENT

2. LOCATION OF OFFICE WHERE ADDITIONAL INFORMATION MAY BE OBTAINED

Number & Street

City & County

State & Zip Code

4. OPERATOR'S 5 DIGIT IDENTIFICATION NUMBER

(When Known) / / / / / /

5. HEADQUARTERS NAME & ADDRESS, IF DIFFERENT

Number & Street

City & County

State & Zip Code

Draft

3. STATE IN WHICH SYSTEM OPERATES: / / / *(provide a **separate** report for each state in which system operates)*

PART B - SYSTEM DESCRIPTION

Report miles of pipeline in system at end of year.

1. GENERAL - MILES OF PIPELINE IN THE SYSTEM AT END OF YEAR THAT ARE JURISDICTIONAL TO OPS

	STEEL				CAST IRON WROUGHT IRON PIPE	PLASTIC PIPE	OTHER PIPE
	CATHODICALLY PROTECTED		UNPROTECTED				
	BARE	COATED	BARE	COATED			
TRANSMISSION ONSHORE							
OFFSHORE							
GATHERING ONSHORE							
OFFSHORE							
SYSTEM TOTALS							

2. MILES OF PIPE BY NOMINAL SIZE

	UNKNOWN	4" OR LESS	OVER 4" THRU 10"	OVER 10" THRU 20"	OVER 20" THRU 28"	OVER 28"
TRANSMISSION ONSHORE						
OFFSHORE						
GATHERING ONSHORE						
OFFSHORE						
SYSTEM TOTALS						

3. MILES OF PIPE BY DECADE OF INSTALLATION

	UN-KNOWN	PRE-1940	1940-1949	1950-1959	1960-1969	1970-1979	1980-1989	1990-1999	2000-2009	TOTAL
TRANSMISSION ONSHORE										
OFFSHORE										
GATHERING ONSHORE										
OFFSHORE										
SYSTEM TOTALS										

4. MILES OF PIPE BY CLASS LOCATION

	CLASS 1	CLASS 2	CLASS 3	CLASS 4	TOTAL
TRANSMISSION ONSHORE					
OFFSHORE		N/A	N/A	N/A	N/A
GATHERING ONSHORE					
OFFSHORE		N/A	N/A	N/A	N/A
SYSTEM TOTALS					

PART C – TOTAL LEAKS ELIMINATED/REPAIRED DURING YEAR

CAUSE OF LEAK	TRANSMISSION		GATHERING	
	ONSHORE	OFFSHORE	ONSHORE	OFFSHORE
CORROSION				
NATURAL FORCES				
THIRD PARTY DAMAGES AND PREVIOUSLY DAMAGED PIPE				
CONSTRUCTION /MATERIAL DEFECTS				
EQUIPMENT MALFUNCTION				
INCORRECT OPERATION				
OTHER				

PART D - TOTAL NUMBER OF LEAKS ON FEDERAL LAND OR OCS REPAIRED OR SCHEDULED FOR REPAIR

1. TRANSMISSION
   - ONSHORE _____
   - OFFSHORE _____
   - OUTER CONTINENTAL SHELF _____
2. GATHERING
   - ONSHORE _____
   - OFFSHORE _____
   - OUTER CONTINENTAL SHELF _____

PART E - NUMBER OF KNOWN SYSTEM LEAKS AT END OF YEAR SCHEDULED FOR REPAIR

1. TRANSMISSION _____
2. GATHERING _____

PART F - PREPARER AND AUTHORIZED SIGNATURE

Draft

(type or print) Preparer's Name and Title — Area Code and Telephone Number

Preparer's E-mail Address — *Area Code and Facsimile Number*

Authorized Signature — (type or print) Name and Title — Date — Area Code and Telephone Number

Draft Form RSPA F 7100.2-1 (3-00)
(Supersedes DOT F 7100.2-1)

INSTRUCTIONS FOR COMPLETING FORM RSPA F 7100.2-1 (Rev. 11-2000)

ANNUAL REPORT FOR CALENDAR YEAR YYYY GAS TRANSMISSION AND GATHERING SYSTEMS

GENERAL INSTRUCTIONS

Each transmission system or non-rural gathering system operator is required to file an annual report. The terms operator, distribution line, gathering line, and transmission line are defined in §192.3. If an operator determines that pipelines fall under the definition for distribution lines, he or she should follow the instructions for Form RSPA F 7100.1-1.

Reporting requirements are in Part 191 of Title 49 of the Code of Federal Regulations (CFR) Transportation of Natural and Other Gas by Pipeline: Annual Reports, Incident Reports, and Safety-Related Condition Reports. Annual reports must be submitted by March 15 for the preceding calendar year. Report **TOTAL** miles of pipeline in the system at the end of the reporting year, including additions to the system during that year. Reports should be submitted to the address in §191.7.

IMPORTANT: **We have modified the reporting requirement beginning with the report due by March 15, 2002** for the preceding calendar year system totals . There are **four areas** on the form which **are new or revised**: 1)Our revised form requires a separate report for each state in which the system operates 2) a new section has been added to "Part B- System Description" for reporting miles of pipe by decade of installation; 3) a new section has been added to "Part B- System Description" for reporting miles of pipe by class location, and 4) cause categories for reporting total leaks eliminated/repaired during the year in Part C have been changed to reflect similar changes in cause categories for reporting transmission system incidents on RSPA Form 7100.2.

If you have questions about this report or these instructions, or need copies of Form RSPA F 7100.2-1, please contact Roger Little, Information Resources Manager, RSPA, Office of Pipeline Safety, at (202)366-4569. Copies of the form and instructions are on the Office of Pipeline Safety home page, http://ops.dot.gov in the FORMS section of the ONLINE LIBRARY. Please type or print all entries.

Please round all mileage to the nearest mile. **DO NOT USE DECIMALS OR FRACTIONS.** Round decimals or fractions to the nearest whole number, e.g., 3/8 or 0.375 should be rounded down; 3/4 or 0.75 should be rounded up; ½ or 0.5 should be rounded up. The total mileage reported in Part B in each of sections 1 through 4 MUST all sum to the same total mileage. Please be careful to report miles of pipeline, not feet.

Make an entry in each block for which data is available. Estimate data if necessary. Please avoid entering mileage in the **Unknown** columns where possible. We recognize that some companies may have very old pipe for which installation records may not exist. Enter estimate of the total of such mileage in the UNKNOWN section of item 3: "Miles of Pipe by Decade of Installation".

SPECIFIC INSTRUCTIONS

Enter the Calendar Year for which the report is being filed. Check **Initial Report** if this is the original filing for this calendar year. Check **Supplemental Report** if this is a follow-up to a previously filed report to amend or correct information. On Supplemental Reports, complete Parts A and F. On Parts B, C, D and E, please submit only amended, revised, or added information.

PART A - OPERATOR INFORMATION

Insert the operator name and address data. Report the address where additional information can be found.

The operator's five digit identification number appears on the RSPA mailing label. If the person completing the report does not have the identification number, this information may be omitted.

Enter the State for which information is being reported. An operator should submit a separate report for all company transmission or non-rural gathering operations for each State in which it operates. A company may submit separate reports for subsidiaries or affiliate operations. Please do not report a pipeline facility more than once.

PART B - SYSTEM DESCRIPTION

The mileage of pipeline supplied in Part B, sections 1 and 2, will be used to better protect people and the environment. Mileage reported should accurately reflect miles of pipe meeting the RSPA gas transmission and non-rural gathering line definitions. In the past, short segments of pipeline operated by distribution systems at less than 20 percent of the specified minimum yield strength (SMYS) have sometimes been inaccurately reported as transmission lines. Please carefully consider all reported pipelines'

classifications.

COATED means pipe coated with an effective hot or cold applied dielectric coating or wrapper.

OTHER PIPE means a pipe made of material not specifically designated on the form, such as copper, aluminum, etc. Enter the Other Pipe material, either in the column heading or by an attachment if mileage of Other Pipe is shown.

Include Outer Continental Shelf pipelines under offshore in No. 1 and No. 2.

Provide miles of pipe by decade installed in Part B, section 3. Estimate if exact totals aren't known. Where decade of installation is not known because records do not exist for such information, enter an estimate of this mileage in the UNKNOWN column. The sum total of mileage reported for Part B, section 3 should match total mileage reported in sections 1,2, and 4 in Part B.

Provide miles of pipe by class location in Part B, section 4. All offshore mileage is Class 1.

PART C TOTAL LEAKS ELIMINATED/REPAIRED DURING YEAR

Include all reportable leaks or ruptures and non-reportable leaks or ruptures repaired or eliminated including replaced pipe or other component during the calendar year. Do not include test failures.

Leaks are **unintentional escapes of gas from the pipeline**. A non-hazardous release that can be eliminated by lubrication, adjustment, or tightening is not a leak.

A reportable leak is one that meets the specific criteria of §191.5 and is reported on Form RSPA F 7100.2, Incident Report - Gas Transmission and Gathering Systems. A non-reportable leak is one that is not reported under §191.5.

Leaks are classified as:

CORROSION: leak resulting from a hole in the pipe or other component that galvanic, bacterial, chemical, stray current, or other corrosive action causes.

NATURAL FORCES: leak resulting from earth movements, earthquakes, landslides, subsidence, lightning, heavy rains/floods, washouts, flotation, mudslide, scouring, temperature, frost heave, frozen components, high winds, or similar natural causes.

THIRD PARTY DAMAGES AND PREVIOUSLY DAMAGED PIPE: leak resulting from damage caused by earth moving or other equipment, tools, or vehicles. Include leaks from damage by operator's personnel or contractor or people not associated with the operator. Include leaks caused by fire or explosion and deliberate or willful acts, such as vandalism.

CONSTRUCTION/MATERIAL DEFECT: leak resulting from failure of original sound material from force applied during construction that caused a dent, gouge, excessive stress, or other defect that eventually resulted in a leak. This includes leaks due to faulty wrinkle bends, faulty field welds, and damage sustained in transportation to the construction or fabrication site. Also include leak resulting from a defect in the pipe material, component, or the longitudinal weld or seam due to faulty manufacturing procedures. Leaks from material deterioration, other then corrosion, after exceeding the reasonable service life, are reported under Other.

EQUIPMENT MALFUNCTION: leak resulting from malfunction of control/relief equipment including valves, regulators, or other instrumentation; stripped threads or broken pipe couplings on nipples, valves, or mechanical couplings; or seal failures on gaskets, O-rings, seal/pump packing, or similar leaks.

INCORRECT OPERATION: leak resulting from inadequate procedures or safety practices, or failure to follow correct procedures, or other operator error.

OTHER: leak resulting from any other cause, such as exceeding the service life, not attributable to the above causes.

OFFSHORE includes jurisdictional pipelines on the Outer Continental Shelf.

PART D TOTAL NUMBER OF LEAKS ON FEDERAL LAND OR OCS REPAIRED OR SCHEDULED FOR REPAIR

FEDERAL LANDS means all lands the United States owns except lands in the National Park System, lands held in trust for Native Americans, and lands on the Outer Continental Shelf.

Enter all leaks repaired, eliminated, or scheduled for repair during the reporting year, including those reported as incidents on Form RSPA F 7100.2.

OUTER CONTINENTAL SHELF pipelines are separated to differentiate from other Federal offshore areas, which could be within a lake or

river.

PART E NUMBER OF KNOWN SYSTEM LEAKS AT END OF YEAR SCHEDULED FOR REPAIR

Include all known leaks scheduled for elimination by repairing or by replacing pipe or some other component.

PART F PREPARER AND AUTHORIZED SIGNATURE

PREPARER is the name of the person most knowledgeable about the report or the person to be contacted for more information. Please include the preparer's E-mail address if there is one.

AUTHORIZED SIGNATURE may be the preparer or an officer or other person whom the operator has designated to review and sign reports.

INSTRUCTIONS FOR FORM RSPA F 7100.2 (3-84)
INCIDENT REPORT - GAS TRANSMISSION AND GATHERING SYSTEMS

GENERAL INSTRUCTIONS

Each gas transmission or gathering system operator shall file Form RSPA F 7100.2 for an incident that meets the criteria in §191.3 as soon as practicable but not more than 30 days after the incident. Operator, distribution line, gathering line, and transmission line are defined in §191.3 Code of Federal Regulations (CFR). Liquid natural gas (LNG) facility operators are exempt from filing reports in §191.15(c). Releasing gas during maintenance or other routine activities need not be reported if the only reportable criteria met is losing gas of $50,000 or more as defined in §191.3 (1)(ii).

Damage from secondary ignition need not be reported unless the damage to facilities subject to Part 192 exceeds $50,000. Secondary ignition is a gas fire where the cause is unrelated to the gas facilities, such as electrical fires, arson, etc. Please submit reports according to §191.7. If you have questions about this report or these instructions or need copies of Form RSPA F 7100.2, please write to Roger Little, Information Resources Manager, or call (202)366-4569. All forms and instructions are on the OPS home page, http://ops.dot.gov.

SPECIAL INSTRUCTIONS

An entry should be made in each block. If the data is unavailable, please enter Unknown. Please avoid Unknown entries if possible. Estimated data is preferable to unknown data. If Unknown or estimated data entries are made, a supplemental report should follow if the operator learns the answers to the questions. If the block is not applicable, please enter N/A.

In blocks requiring numbers, all blocks should be filled in using zeroes when appropriate. When decimal points are required, the decimal point should be placed in a separate block.

Examples: (Part 5) Nominal Pipe Size	/0/0/2/4/	inches
	/1/./5/0/	inches
Wall Thickness	/./5/0/0/	inches
	/1/./2/5/	inches

If OTHER is checked, include an explanation or description on the line next to the item checked.

INSERT PAGE NUMBERING

SPECIFIC INSTRUCTIONS

PART A - GENERAL REPORT INFORMATION

Initial, Supplemental, Final Report Section

Check boxes are provided as follows for:
☐ Original Report ☐ Supplemental Report ☐ Final Report.

Check the box for Original Report if this is the initial report filed for this incident. If all of the information requested is known and provided at the time the initial report is filed, including final property damages and failure cause information, check the box for Final Report as well as the box for Original Report, indicating that no further information will be forthcoming.

If all of the information requested on the form is not known or provided at the initial report filing, check only Original Report. If this is an update to an Original Report but all information requested is still not known, check Supplemental Report.

Check Final Report if all requested relevant information has been provided, and there will be no further updates to reported property damages or causal information.

If you are filing a supplemental or final report, please check the Supplemental Report or Final Report box and complete Part 1, Item 1 and Part 7. All other data on a Supplemental Report or Final Report is to be revised or amended data. Please do not enter previously submitted information.

ITEM 1. The Research and Special Programs Administration (RSPA) assigns the operator's five digit identification number. If you do not know the identification number, please leave the operator identification number blank. The operator address entry in 1.c. is the office filing the incident report. If the operator does not own the pipeline, enter the Owner's five digit identification number in 1.d. Contact us at (202)366-8075 if you need assistance with an identification number for 1.d.

ITEM 2. The time of the incident should be shown by 24-hour clock notation.

Examples:

1. (0000) = midnight = /0/0/0/0/
2. (0800) = 8:00 a.m. = /0/8/0/0/
3. (1200) = Noon = /1/2/0/0/
4. (1715) = 5:15 p.m. = /1/7/1/5/
5. (2200) = 10:00 p.m.= /2/2/0/0/

ITEM 3. Incident location information should be as complete as

possible, including the nearest City, Town, Township, County or Parish, Borough, Section, and Range. Offshore incident identification should be located by State or Outer Continental Shelf (OCS) identification and block identification. In addition to the general location information, provide latitude and longitude, if available, including projection and datum used in collecting the data.

If latitude and longitude of the incident are unknown, RSPA provides a tool located at www.npms.rspa.dot.gov, for locating incidents. The filer can use the online tool to identify the geographic location of the incident, print a map of the area, identify the incident location on the map, and then attach the map to the incident report. Providing a map generated with this tool will meet the requirements for providing specific location information in lieu of having latitude and longitude information. If a filer does not have Internet access, please contact Steve Fischer at 202-366-4595. RSPA will provide the filer with a base map that can be used in identifying the incident location.

The class location should be the class location at the incident site as defined in §192.5. Federal Land other than Outer Continental Shelf means all lands the United States owns, including military reservations, except lands in National Parks and lands held in trust for Native Americans. Incidents at Federal buildings, such as Federal Court Houses, Custom Houses, and other Federal office buildings and warehouses, are not to be reported as being on Federal Lands.

ITEM 4. Leak - an event that involves the unintentional release of gas from a pipeline that requires immediate or scheduled repair. The source of the leak may be holes, cracks (which include propagating and non-propagating, longitudinal and circumferential), separation or pull-out, and loose connections. Leaks that are either inconsequential or incidental to the operation of a pipeline and which can be checked or repaired under routine daily maintenance are not reportable leaks. Examples of such nonreportable leaks include escape of gas through valve stem packing, through compressor rod packing, loosened connections and relief valves.

Rupture - a complete failure of a portion of the pipeline.

Propagation - the extension of the original opening in the pipeline in an area of nominal wall thickness resulting from the internal forces on the pipeline.

Tear - an extension of the original opening in the pipeline resulting from an externally applied force, such as a bulldozer, backhoe, or grader.

ITEM 5. In-patient hospitalization means hospital admission and at least one overnight stay.

Property damage or loss includes costs due to property damage to the operator's facilities and to others' property; gas lost; facility repair and replacement; leak locating; right-of-way cleanup; and environmental cleanup and damage. Facility repair, replacement, or change that is not related to the incident but the operator does for convenience is not to be included. An example of doing work for the operator's convenience is to work on facilities unearthed because of the incident. Litigation and other legal expenses related to the incident are not reportable.

High consequence area means:
1. A commercially navigable waterway, which means a waterway where a substantial likelihood of commercial navigation exists;
2. A high population area, which means an urbanized area as defined and delineated by the Census Bureau that contains 50,000 or more people and has a population density of at least 1,000 people per square mile;
3. An other populated area, which means a place as defined and delineated by the Census Bureau that contains a concentrated population, such as an incorporated or unincorporated city, town, village, or other designated residential or commercial area;
4. An unusually sensitive area, as defined in 195.6

If gas ignited, but there was no explosion, check box 5e. If an explosion occurred, check box 5f.

Enter estimated number of people in the general public evacuated, if any, in item 5g, and check off the reason for evacuation.

For item 6, "Elapsed time until the area was made safe" means the time from the incident occurrence until the incident is brought under control and does not significantly threaten public safety. This does not necessarily mean that the flow of gas has been stopped. If the time of occurrence is unknown, the time when the operator was first notified or made aware of the incident should be used to calculate elapsed time.

PART B - PREPARER AND AUTHORIZED SIGNATURE

Preparer is the name of the person most knowledgeable about the information in the report or the person to be contacted for more information.

Authorized Signature may be the preparer, an officer, or other person whom the operator has designated to review and sign reports. Please enter the preparer's e-mail address if the preparer has one.

PART C - ORIGIN OF INCIDENT

ITEM 1. If the incident occurred on a gathering line operated by a distribution company, please check gathering system.

ITEM 2. Check the appropriate item in this section. If the failure occurred on an item not provided in this section, check the "OTHER" box and specify in the space provided the item that the failure occurred on. A sample list of possible "OTHER's" is included in the appendix under Part C, Item 2, Other.

ITEM 3. If steel or plastic was involved, check the box provided for steel or for plastic. If material other than steel or plastic was involved, check the box for Other and specify the material involved. If plastic was involved, check applicable items 3a through 3c that pertain to plastic. Check item 3c (joint failure) if plastic pipe segments joined by heat-fusion (butt or socket), electrofusion or mechanically coupled connections were involved. A sample list of possible "Other"s is included in the appendix under Part C, Item 3, Other.

ITEM 4. Check the appropriate item in this section.

ITEM 5. "Year the pipe or component which failed was installed" means the year installed at the incident location.

PART D - MATERIAL SPECIFICATION

Complete sections D (1 through 6), if applicable, where incident failure involved a pipe or valve.

ITEM 1. Nominal pipe size is the diameter in inches used to describe the pipe size; for example, 2-inch, 4-inch, 8-inch, 12-inch, 30-inch.

ITEM 2. Enter pipe wall thickness in inches.

ITEM 3. Specification is the specification to which the pipe or component was manufactured, such as API 5L or ASTM A106. When more than one item has failed, and the origin of the failure is not clear, complete Part C ITEM 4 to explain the additional item(s).

ITEM 4. See the appendix section of these instructions under Part D, Item 4, Seams for a list of common seam types.

ITEM 5. Enter valve type (flange-welded, bell-plug, etc.) See the appendix section of these instructions under Part D, Item 5, Valves for a list of common valve types.

ITEM 6. Provide the pipe or valve manufacturer if failure was on pipe or valve. Enter year pipe or valve was manufactured. See the appendix section of these instructions under Part D, Item 6,

Manufacturer for a list of common pipe manufacturers.

PART E - ENVIRONMENT

Under pavement includes under streets, sidewalks, paved roads, driveways and parking lots.

Provide depth of cover in inches where incident involved buried pipe or component.

PART F - APPARENT CAUSE

There are 26 numbered causes in Part F. Check the box to the left of the cause of the incident and complete all of the sub-element items to the right of or below the cause you indicate.

The 26 causes are broken into 5 categories in sections F1 through F5. A general description of the 5 categories followed by more detailed instructions for each section and for specific causes are provided below.

General description of sections F1 through F5:

Section F1: Corrosion. If the cause was Corrosion (internal or external), indicate whether the corrosion was internal or external and check appropriate sub-elements from F1 a through e. If the cause was Stress Corrosion Cracking, check the block for Stress Corrosion Cracking but do not fill out partes F1 a through e.

Section F2: Outside Force Damage. This section covers natural force damage causes, excavation damage, previously damaged pipe, and vandalism. Check the appropriate cause in items 4 through 14 if the incident cause was Outside Force Damage, and check and complete all appropriate sub-elements where indicated.

Section F3: Material and Welds. This section covers Material and Weld failure causes. Complete sub-elements a-g in section F3 if any cause in section F3 is indicated. "Fitting" means a device, usually metal, for joining lengths of pipe into various piping systems; includes couplings, ells, tees, crosses, reducers, unions, caps and plugs.

Section F4: Equipment and Operations. This section covers failures of malfunctions of relief/control devices and equipment, failed or broken couplings, including thread failures, failures in seal/pump packings, and failures caused by incorrect operations by operator personnel. Note: Report gasket or o-ring failures under Section F3, item 17, Joints, by checking the appropriate circle for gasket or o-ring. Check the appropriate item in boxes provided for causes 21-24 if the failure cause is in this category and complete appropriate sub-elements.

Section F5:OTHER. This section is provided for failure causes that do not fit in any other area provided in Sections F1 through F4. If the failure cause is unknown at time of filing this report, check item 26 and indicate whether the investigation is complete or still under investigation. If the failure cause is known but doesn't fit in any category in sections F1 through F4, check item 25 and describe the cause. Continue in Part G, narrative description, if more space is needed.

Specific instructions for sections F1 through F5

PART F1 - CORROSION

Corrosion includes a leak or failure that galvanic, bacterial, chemical, stray current, or other corrosive action causes. Examples: A corrosion leak is not limited to a hole in the pipe. If the bonnet or packing gland on a valve or flange on piping becomes loose and leaks due to corrosion and failure of bolts, it is classified as Corrosion. If the bonnet, packing, or other gasket has deteriorated before the end of its expected life and caused a leak or failure and a new gasket is required, it is classified as a Material Defect. An incident at a facility that corrosion weakens and that fails with outside force as a contributing factor is classified as Corrosion. Except for deterioration due to corrosion, leaks resulting from materials deteriorating after the expected life are classified as Other.

If either item F1-1 (external corrosion) or F1-2 (internal corrosion) are checked, complete subparts a - e to the right of the items, pointed to by the arrow. Item 3 does not require subparts a - e to be completed.

Subpart a - Pipe Coating
Galvanized pipe with no dielectric coating is considered bare.

Subpart b - Visual Examination
If the Visual Examination method is not listed here, indicate "Other" and give a description of method used. A list of example "Other" descriptions is included in the appendix under Part F1, Subpart b, Visual Examination.

Subpart c - Cause of Corrosion
If the Cause of Corrosion is not listed here, indicate "Other" and give a description. A list example "Other" causes is included in the appendix under Part F1, Subpart c, Cause of Corrosion.

Subpart d - Cathodic Protection
"Under cathodic protection" means cathodic protection in accordance with Part 192, Appendix D. Recognizing that older pipelines may have had cathodic protection added over a number of years, provide an estimate if exact year cathodic protection started is unknown.

PART F2 - OUTSIDE FORCE DAMAGE

The Outside Force Damage category includes leaks or failures caused by earth moving or other equipment, tools or vehicles, or earth movement such as land slides damaging the pipeline. This category includes damage which the operator's personnel or contractors or people not associated with the operator cause. Also included are fire, lightning, frost, snow, wind, and vandalism.

ITEMS 4 - 8: Natural Forces.

This includes all outside forces attributable to causes not involving humans. 'Earth Movement' refers to failures caused by land shifts such as earthquakes, landslides, or subsidence.

'Heavy rains and floods' refer to all water related failure causes such as washouts, flotation, mudslides, or water scouring. While mudslides involve earth movement, report them here since typically they are an effect of heavy rains or floods.

'Temperature' refers to those causes that are related to temperature effects, or where temperature was the initial cause; for example, thermal stress, frost heave, or frozen component failures.

ITEMS 9 - 10: Excavation.

Item 9: Damages resulted from an Operator (including their contractors): check this item if the failure was caused by the operator or the operator's contractor or agent or other party working for the operator as a result of excavation.

Item 10: Third Party Damage- check this item if failure cause was from excavation damages resulting from action by outside party/third party caused by personnel or other party other than the operator or his agent.

Subpart 10c- 'Prior notification' means that the operator had been notified that excavation or construction work was to be done near the pipeline before the incident occurred. If the operator was notified, but the operator believes the notice was inadequate, improper, or incomplete, check NO and explain in Part G, Narrative Description Of Factors Contributing to the Event.

Subpart 10d- 'Was pipeline marked?': Indicate whether the pipeline was marked or not. If the pipeline was marked, complete all items i through iv that apply.

Examples: A contractor working for the operator gouges the operator's pipeline and buries it without repair. If the pipeline leaks at a later date, the leak should be classified as damage

resulted from item 9- Operator (including their contractors) if the operator can determine the leak resulted from the contractor's actions. If the contractor had been working for someone other than the operator, the leak should be classified as THIRD PARTY DAMAGE - damage resulted from an outside party's or third party's actions. A contractor working for the operator excavates near the operator's pipeline, which is later damaged by earth movement in the zone the excavation affects. The damage should be classified as OUTSIDE FORCE - damage resulting from the operator or the operator's agent's action. If the contractor had been working for other than the operator in this situation, the damage should be classified as OUTSIDE FORCE - damage resulted from an outside party or third party's actions. In both situations, the damage should not be attributed to damage by moving earth. Pipeline damage resulting from vehicular traffic loading or pullout of a mechanical fitting due to the repeated action of freezing should be classified as OUTSIDE FORCE - damage by moving earth. A pipeline or coating an outside party or third party damages that later leaks due to corrosion or outside force should be reported under OUTSIDE FORCE - damage resulted from actions by an outside party or third party. A pipeline or coating the operator or a contractor working for the operator causes that later leaks due to corrosion or outside force should be reported under OUTSIDE FORCE - damage resulted from an operator or the operator's agent's action.

ITEMS 11 - 14, Other Outside Force Damage Causes.

This section covers outside force causes that do not fit the other two categories (Natural forces, Excavation). Fire/explosion as primary cause of failure implies that fire/explosion occurred prior to failure and not as a result of failure. If a fire/explosion occurred as a result of the failure and not prior to the failure as cause of failure, do not check item 11, but check item A5e. If the primary cause of damage was caused by a vehicle other than a vehicle involved in excavation, check item 12. If a vehicle involved in excavation caused the damage, check the appropriate item under the Excavation Damage section (items 9 and 10). If the primary cause of failure was a rupture of previously damaged pipe, check item 13. An act of vandalism may be described here by checking item 14.

PART F3 - MATERIAL AND WELDS

Report both material defects and construction defects or failures in this section. If a material or construction defect was on the body of the pipe, component or joint, check appropriate boxes under items 15-17. If a weld failure was involved, check appropriate boxes under items 18 - 20. Complete subparts a - h if any cause was checked in Part F3. Identify if the failure was from a material failure or construction defect by checking the appropriate item in subpart F3 a.

ITEMS 15 - 17, Material.

This section includes leaks or failures from a defect within the material of the pipe, component or joint due to faulty manufacturing procedures. Leaks or failures from material deterioration in service that do not result from an original defect or corrosion are reported under Other.

ITEMS 18 - 20, Welds.

Acronyms used in this section:
LF ERW : low frequency electro-resistance weld
HF ERW : high frequency electro-resistance weld
DSAW : double-submerged arc weld
SAW : submerged arc weld

Weld-related material defects includes leaks or failures from a defect within the material of the pipe, component or longitudinal weld or seam due to faulty welding or weld-related manufacturing procedures. Leaks or failures from material deterioration in service that do not result from an original defect or corrosion are reported under Other.

Sub-Elements a - h
Construction defect includes leaks in or failures of original sound material due to force being applied during field construction, that caused a dent, gouge, excessive stress, or some other defect that eventually resulted in failure. Included are leaks in or failures of faulty wrinkle bends, faulty field welds, and damage sustained in transportation to the construction or fabrication site.

PART F4 - EQUIPMENT AND OPERATIONS

This section includes malfunctions of control and relief equipment (typically the result of failed and leaking valves), failures of threaded components and broken pipe couplings, and seal failures such as compressor pump packing failures. Incidents resulting from incorrect operations or inadequate procedures are also included in this category.

Item 21- Malfunction of Control/Relief Equipment

Examples of this type of failure cause include overpressurizations resulting from malfunction of control or alarm device, relief valve malfunction, and valves failing to open or close on command or which opened or closed when not commanded to do so. Note: if an overpressurization occurred, please check item Part A, 8 d.

Item 22 - Threads stripped, broken pipe coupling

Examples of this type of failure include failures on compressors, meters, or regulator stations where the failure resulted from a

crack in a component or threads of a component such as nipples, flanges, valve connections, line pipe collars, etc.

Item 23 - Ruptured or Leaking Seal/Pump Packing

Examples of this type of failure generally include failures where compressor pump packing or other pump seals fail.

Item 24 - Incorrect Operation

Incorrect operation failures are typically those where better procedures may have prevented an incident from occurring. These types of failures most often occur during maintenance activities. Some examples of this type of failure are unintentional gas ignition during a welding or maintenance activity or other reportable incidents where a fire occurred not intentionally started by the operator, where an employee removes the wrong bolts from an assembly, leaves a valve open or closed at the wrong time, or failures where human error, employee fatigue, and/or lack of experience may have played a role.

PART G - NARRATIVE DESCRIPTION OF FACTORS CONTRIBUTING TO THE INCIDENT

The narrative is needed only when it is useful to clarify or explain unusual conditions. It should be a concise description of the incident, including the probable cause, and the facts, circumstances, and conditions that may have contributed directly or indirectly to causing the incident. Explanations of estimated data may be included in the narrative. If the OTHER block was checked in Part F5 item 24 or 25, the narrative should describe the incident in detail, including the known or suspected cause.

APPENDIX

Part C, Item 2, Other

NIPPLE FITTING
FLANGE FITTING
COMPRESSOR/TURBINE
GASKET
DRIP/RISER
GIRTH WELD
LONGITUDINAL WELD
FILLET WELD

Part C, Item 3, Other

GASKET
O-RING
PACKING
ALUMINUM
CAST IRON
WROUGHT IRON
ASBESTOS
FIBER GLASS
GALVANIZED RUBBER
REINFORCED RUBBER
UNKNOWN

Part D, Item 4, Seams

ELECTRIC RESISTANCE WELD
SUBMERGED ARC WELD
DOUBLE SUBMERGED ARC WELD
BUTT WELD
FURNACE LAP WELD
SEAMLESS WELD
FLASH WELD

Part D, Item 5, Valves

BALL
CHECK
BLEEDING
PRESSURE REDUCING
RECIPROCATING
GATE
PLUG
UNKNOWN

Part D, Item 6, Pipe Manufacturers

ACME NEWPORT
AMER. MANNEX CO
ANDERSON GREENWOOD
AO SMITH
ARMCO STEEL
BETHLEHEM STEEL
CONSOLIDATED WESTERN
GROVE
INGERSOL_RAND
JONES & LAUGHLIN

KAISER STEEL CO.
LONE STAR STEEL
NATIONAL TUBE
REPUBLIC STEEL
ROCKWELL
U S STEEL
YOUNGSTOWN
YOUNGSTOWN SHEET&TUBE
Unknown

Part F1, Subpart b, Visual Examination

FINE CRACKS
PIN HOLE LEAK
GENERAL INTERNAL PITTING

Part F1, Subpart c, Cause of Corrosion

ATMOSPHERIC CORROSION
CHEMICAL CORROSION
EROSION/CORROSION
SOUR GAS
WATER/LIQUID
CO2 & WATER
INTERGRANULAR CORROSION